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Serial Number: 10/792,256

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Day : Tuesday
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Inventor Information for 10/792256


Inventor Name	City	State/Country
SCHROEPPPEL, EDWARD A.	SUGAR LAND	TEXAS
KROLL, MARK W.	SIMI VALLEY	CALIFORNIA

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Inventor Name Search Result

Your Search was:

Last Name = KROLL

First Name = MARK

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09861230	Not Issued	161	05/17/2001	Methods and devices for rapid delivery of secondary cardiac shocks	KROLL, MARK
10039734	6795731	150	10/19/2001	ANTI-TACHYCARDIA PACING METHODS AND DEVICES	KROLL, MARK
10045494	6766196	150	10/19/2001	ANTI-TACHYCARDIA PACING METHODS AND DEVICES	KROLL, MARK
10045495	6907286	150	10/19/2001	ANTI-TACHYCARDIA PACING METHODS AND DEVICES	KROLL, MARK
10045570	6754531	150	10/19/2001	ANTI-TACHYCARDIA PACING METHODS AND DEVICES	KROLL, MARK
10067116	6731982	150	10/19/2001	ANTI-TACHYCARDIA PACING METHODS AND DEVICES	KROLL, MARK
10468867	Not Issued	30	08/22/2003	Implantable device	KROLL, MARK
10504895	Not Issued	30	02/15/2005	Management of implantable devices	KROLL, MARK
10819641	Not Issued	30	04/06/2004	Partially implantable system for the electrical treatment of cancer	KROLL, MARK
10832841	6968574	150	04/26/2004	LIGHT SELECTIVE SPORTS GARMENTS	KROLL, MARK
10841105	Not Issued	30	05/06/2004	Anti-tachycardia pacing methods and devices	KROLL, MARK
10881375	Not Issued	30	06/29/2004	Method and device for treating cancer with modified output electrical therapy	KROLL, MARK
10966722	Not Issued	30	10/14/2004	Method for reforming a capacitor in an implantable medical device	KROLL, MARK
11197791	Not Issued	41	08/04/2005	Light selective sports garments	KROLL, MARK
11285756	Not Issued	20	11/22/2005	Medium voltage therapy applications in treating cardiac arrest	KROLL, MARK

<u>60450869</u>	Not Issued	159	02/28/2003	PSA-coated screenable articles	KROLL, MARK
<u>60630993</u>	Not Issued	159	11/24/2004	Medium voltage therapy applications in treating cardiac arrest	KROLL, MARK
<u>09503994</u>	<u>6432547</u>	150	02/14/2000	BREATHABLE FILM LAYER COMPOSITIONS	KROLL, MARK S
<u>08894500</u>	Not Issued	161	12/12/1997	METHOD FOR PRODUCING A CONTINUOUS THERMOPLASTIC COATING AND ARTICLES CONSTRUCTED THEREFROM	KROLL, MARK S
<u>09527403</u>	<u>6583332</u>	150	03/16/2000	AN ARTICLE HAVING A CONTINUOUS THERMOPLASTIC COATING	KROLL, MARK S.
<u>09652470</u>	<u>6458877</u>	150	08/31/2000	COMPOSITIONS COMPRISING A THERMOPLASTIC COMPONENT AND SUPERABSORBENT POLYMER	KROLL, MARK S.
<u>09771764</u>	<u>6579915</u>	150	01/29/2001	RADIATION CURABLE ADHESIVE COMPOSITIONS COMPRISING BLOCK COPOLYMERS HAVING VINYL FUNCTIONALIZED POLYDIENE BLOCKS	KROLL, MARK S.
<u>10425776</u>	<u>6926959</u>	150	04/29/2003	RADIATION CURABLE ADHESIVE COMPOSITIONS COMPRISING BLOCK COPOLYMERS HAVING VINYL FUNCTIONALIZED POLYDIENE BLOCKS	KROLL, MARK S.
<u>10427888</u>	Not Issued	41	05/01/2003	AN ARTICLE HAVING A CONTINUOUS THERMOPLASTIC COATING	KROLL, MARK S.
<u>11385173</u>	Not Issued	30	03/21/2006	Method for producing a continuous thermoplastic coating and articles constructed therefrom	KROLL, MARK S.
<u>60179263</u>	Not Issued	159	01/31/2000	Radiation curable adhesive compositions comprising block copolymers having vinyl functionalized polydiene blocks	KROLL, MARK S.
<u>07551182</u>	Not Issued	161	07/11/1990	WATER BASED HEAT SEAL ADHESIVE COMPOSITION	KROLL, MARK S.
<u>08238678</u>	Not Issued	166	05/05/1994	BRANCHED COPOLYMER PRESSURE SENSITIVE HOT MELT ADHESIVE	KROLL, MARK S.
<u>08525238</u>	Not Issued	166	09/08/1995	HIGH MOLECULAR WEIGHT S-EB-S HOT MELT ADHESIVE	KROLL, MARK S.

<u>08562038</u>	<u>6087550</u>	150	11/22/1995	NON-WOVEN APPLICATION FOR WATER DISPERSABLE COPOLYESTER	KROLL, MARK S.
<u>08615750</u>	Not Issued	168	03/14/1996	ADHESIVES COMPRISING OLEFIN POLYMERS	KROLL, MARK S.
<u>08705380</u>	<u>6120887</u>	150	08/29/1996	DISPOSABLE ARTICLES HAVING A CONTINUOUS THERMOPLASTIC COATING COMPRISING A METALLOCENE POLYOLEFIN	KROLL, MARK S.
<u>08705578</u>	<u>5827252</u>	150	08/29/1996	METHOD FOR PRODUCING A CONTINUOUS THERMOPLASTIC COATING AND ARTICLES CONSTRUCTED THEREFROM	KROLL, MARK S.
<u>08798808</u>	<u>5863977</u>	150	02/12/1997	HIGH MOLECULAR WEIGHT S-EB-S HOT MELT ADHESIVE	KROLL, MARK S.
<u>08851788</u>	<u>6448463</u>	150	05/06/1997	NON-WOVEN APPLICATION FOR WATER DISPERSABLE COPOLYESTER	KROLL, MARK S.
<u>08920748</u>	<u>5837802</u>	250	08/29/1997	FAST SETTING WATER SENSITIVE POLYAMIDES HAVING A HIGH TG	KROLL, MARK S.
<u>08934543</u>	Not Issued	161	09/19/1997	HIGH MOLECULAR WEIGHT S-EB-S HOT MELT ADHESIVE	KROLL, MARK S.
<u>08948563</u>	<u>6166147</u>	250	10/10/1997	PRESSURE SENSITIVE ADHESIVE COMPRISING SATURATED BACKBONE HAVING SIDE CHAINS	KROLL, MARK S.
<u>08973779</u>	Not Issued	41	01/08/1998	ADHESIVES COMPRISING OLEFIN POLYMERS	KROLL, MARK S.
<u>09132639</u>	Not Issued	168	08/11/1998	ADHESIVES COMPRISING OLEFIN POLYMERS	KROLL, MARK S.
<u>09195335</u>	<u>6103809</u>	150	11/18/1998	09067035 THERMOPLASTIC COMPOSITIONS COMPRISING CRYSTALLINE WATER SOLUBLE POLYMERS AND AMORPHOUS WATER SENSITIVE POLYMERS	KROLL, MARK S.
<u>09306265</u>	<u>6534572</u>	150	05/06/1999	COMPOSITIONS COMPRISING A THERMOPLASTIC COMPONENT AND SUPERABSORBENT POLYMER	KROLL, MARK S.
<u>09415430</u>	<u>6288149</u>	250	10/08/1999	HOT MELT ADHESIVE COMPOSITION INCLUDING SURFACTANT	KROLL, MARK S.

60084582	Not Issued	159	05/07/1998	LOW VISCOSITY THERMOPLASTIC COMPOSITIONS COMPRISING SUPERABSORBENT POLYMER	KROLL, MARK S.
60103675	Not Issued	159	10/09/1998	HOT MELT ADHESIVE COMPRING SURFACTANT FOR USE IN ABSORENT DISPOSABLE ARTICLES	KROLL, MARK S.
60121098	Not Issued	159	02/22/1999	BREATHABLE FILM LAYER COMPOSITIONS	KROLL, MARK S.
09524405	6366808	150	03/13/2000	Implantable device and method for the electrical treatment of cancer	KROLL, MARK W
09571980	6405922	150	05/15/2000	KEYBOARD SIGNATURE SECURITY SYSTEM	KROLL, MARK W
08339914	5540721	150	11/15/1994	PROCESS AND APPARATUS FOR DEFIBRILLATION SYSTEM WITH A SMALL CAPACITOR	KROLL, MARK W
08942820	6062474	150	10/02/1997	ATM SIGNATURE SECURITY SYSTEM	KROLL, MARK W

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US 20060122681 A1	US- PGPUB	20060608	13	Automatic capture pacing lead	607/123	607/121	Kroll; Mark W. et al.
US 20060100494 A1	US- PGPUB	20060511		System and method for monitoring blood glucose levels using an implantable medical device	600/365	600/508; 607/22	Kroll; Mark W.
US 20050284412 A1	US- PGPUB	20051229		Domestic animal telephone	119/719		Kroll, Mark W.
US 20050261743 A1	US- PGPUB	20051124		System and method for automated fluid monitoring	607/8		Kroll, Mark W.
US 20050229425 A1	US- PGPUB	20051020		Ambulatory hairdryer	34/283	34/99	Kroll, Mollie B. et al.
US 20050197676 A1	US- PGPUB	20050908		Electrical cardiac output forcer	607/17		Kroll, Kai et al.
US 20050197673 A1	US- PGPUB	20050908		Left heart implantable cardiac stimulation system with clot prevention and method	607/9		Kroll, Mark W.
US 20050168681 A1	US- PGPUB	20050804		Tan-thru glasses	351/44		Kroll, Mark W. et al.
US 20050085862 A1	US- PGPUB	20050421		Implantable cardiac stimulation device including an output circuit that provides arbitrarily shaped defibrillation waveforms	607/5		Moulder, J. Christopher et al.
US 20050072429 A1	US- PGPUB	20050407		Breathing gas therapeutic method and apparatus	128/205.27	128/202.12; 128/204.18; 128/205.25	Kroll, Mark W.
US 20050055900 A1	US- PGPUB	20050317		Toddler stair safety system	52/182		Kroll, Lori C. et al.
US 20050004507 A1	US- PGPUB	20050106		Method and device for treating cancer with electrical therapy in conjunction with chemotherapeutic agents and radiation	604/20		Schroeppel, Edward A. et al.

				therapy			
US 20040254618 A1	US- PGPUB	20041216		Implantable device and method for the electrical treatment of cancer	607/74		Schroeppel, Edward A. et al.
US 20040186521 A1	US- PGPUB	20040923		Methods and apparatus for treating fibrillation and creating defibrillation waveforms	607/5		Rubin, Leo et al.
US 20040103553 A1	US- PGPUB	20040603		Ambulatory hairdryer	34/96	34/97	Kroll, Mollie Beth et al.
US 20040088012 A1	US- PGPUB	20040506		Implantable stimulation device with isolating system for minimizing magnetic induction	607/9		Kroll, Mark W. et al.
US 20040078065 A1	US- PGPUB	20040422		System and method for monitoring blood glucose levels using an implantable medical device	607/60		Kroll, Mark W.
US 20040077962 A1	US- PGPUB	20040422		System and method for monitoring blood glucose levels using an implantable medical device	600/513		Kroll, Mark W.
US 20040073261 A1	US- PGPUB	20040415		Methods and systems for treating ventricular fibrillation	607/5		Kroll, Mark W.
US 20040044373 A1	US- PGPUB	20040304		Method and apparatus for electrically forcing cardiac output in an arrhythmia patient	607/14		Kroll, Kai et al.
US 20040039382 A1	US- PGPUB	20040226		Even temperature linear lesion ablation catheter	606/41		Kroll, Mark W. et al.
US 20040018845 A1	US- PGPUB	20040129		Nuisance cell phone locator	455/456.1	455/404.2; 455/422.1; 455/427; 455/456.2	Kroll, Mark W.
US 20040010290 A1	US- PGPUB	20040115		Method and device for treating cancer with electrical therapy in conjunction with chemotherapeutic agents and radiation	607/3		Schroeppel, Edward A. et al.

				therapy			
US 20040003815 A1	US- PGPUB	20040108		Altitude adjustment method and apparatus	128/206.21	128/205.11	Kroll, Mark W.
US 20030160588 A1	US- PGPUB	20030828		Implantable cardioverter defibrillator with switchable power source and patient warning system cardiac device	320/103		Kroll, Mark W.
US 20030149453 A1	US- PGPUB	20030807		System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors	607/17		Kroll, Mark W. et al.
US 20030149367 A1	US- PGPUB	20030807		System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors	600/483		Kroll, Mark W. et al.
US 20030083719 A1	US- PGPUB	20030501		Implantable cardiac therapy device with dual chamber can to isolate high-frequency circuitry	607/60		Shankar, Balakrishnan et al.
US 20030069624 A1	US- PGPUB	20030410		XY selectable lead assembly	607/122		Kroll, Mark W.
US 20030050088 A1	US- PGPUB	20030313		Self defense cell phone with projectiles	455/550.1		Kroll, Chase R. et al.
US 20030045910 A1	US- PGPUB	20030306		Pacing mode to reduce effects of orthostatic hypotension and syncope	607/23		Sorensen, Chris et al.
US 20030040778 A1	US- PGPUB	20030227		Orientation of patient's position sensor using external field	607/17		Kroll, Mark W. et al.
US 20030040776 A1	US- PGPUB	20030227		Detection of patient's position and activity status using 3D accelerometer-based position sensor	607/9		Kroll, Mark W. et al.
US 20030003950 A1	US- PGPUB	20030102		Self defense cellular telephone	455/557		Kroll, Chase R. et al.

US 20020157165 A1	US- PGPUB	20021031	Light selective sports garments	2/69	2/102; 2/227; 2/410; 2/DIG.3	Kroll, Mark W. et al.
US 20020156506 A1	US- PGPUB	20021024	Disposable defibrillator	607/5		Kroll, Mark W. et al.
US 20020153416 A1	US- PGPUB	20021024	Magnetic card swipe signature security system	235/380		Kroll, Mark W.
US 20020124857 A1	US- PGPUB	20020912	Apparatus for imparting physician-determined shapes to implantable tubular devices	128/898		Schroeppel, Edward A.
US 20020120318 A1	US- PGPUB	20020829	His bundle sensing device and associated method	607/149		Kroll, Mark W. et al.
US 20020106059 A1	US- PGPUB	20020808	Public service answering point with automatic triage capability	379/45		Kroll, Mark W. et al.
US 20020077676 A1	US- PGPUB	20020620	Implantable device and method for the electrical treatment of cancer	607/75	607/2	Schroeppel, Edward A. et al.
US 20020072683 A1	US- PGPUB	20020613	Implantable medical device responsive to heart rate variability analysis	600/515		Schroeppel, Edward A. et al.
US 20020068875 A1	US- PGPUB	20020606	Implantable medical device responsive to heart rate variability analysis	600/515		Schroeppel, Edward A. et al.
US 20020035382 A1	US- PGPUB	20020321	Methods and apparatus for treating fibrillation and creating defibrillation waveforms	607/5		Rubin, Leo et al.
US 20020033023 A1	US- PGPUB	20020321	Nitrogen-based refrigerator crisper	62/78		Kroll, Mark W. et al.
US 20020002389 A1	US- PGPUB	20020103	Cardiac stimulation devices and methods for measuring impedances associated with the left side of the heart	607/8		Bradley, Kerry et al.
US	US-	20011206	Method and apparatus	607/28		Kroll, Mark

20010049543 A1	PGPUB			for biventricular stimulation and capture monitoring			W.
US 20010044645 A1	US- PGPUB	20011122		Temporary atrial cardioversion catheter	607/122	604/532	Hofstad, Michael L. et al.
US 20010031992 A1	US- PGPUB	20011018		System and method of generating a high efficiency biphasic defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/5		Fishler, Matthew G. et al.
US 20010013766 A1	US- PGPUB	20010816		Thermal battery emergency system	320/104		Kroll, Mark W. et al.
US 20010007325 A1	US- PGPUB	20010712		Wind and insect resistant picnic system	220/574	206/499; 206/813; 229/400; 229/407; 53/475; 53/540	Kroll, Mark W. et al.
US 7062328 B1	USPAT	20060613		System and method for providing improved specificity for automatic mode switching within an implantable medical device	607/27		Levine; Paul A. et al.
US 7043301 B1	USPAT	20060509		Implantable cardiac stimulation system providing high output far-field pacing and method	607/9	607/17; 607/25; 607/4	Kroll; Mark W. et al.
US 7029443 B2	USPAT	20060418		System and method for monitoring blood glucose levels using an implantable medical device	600/365	600/513; 607/22	Kroll; Mark W.
US 7024243 B1	USPAT	20060404		System and methods for preventing, detecting, and terminating pacemaker mediated tachycardia in biventricular implantable cardiac	607/14	600/518	Bornzin; Gene A. et al.

				stimulation device			
US 7020521 B1	USPAT	20060328		Methods and apparatus for detecting and/or monitoring heart failure	607/14		Brewer; James E. et al.
US 7016720 B2	USPAT	20060321		System and method for monitoring blood glucose levels using an implantable medical device	600/513	600/365	Kroll; Mark W.
US 7010358 B1	USPAT	20060307		Single lead system for high voltage CHF device	607/122		Kroll; Mark W. et al.
US 7010346 B1	USPAT	20060307		Implantable medical device having atrial tachyarrhythmia prevention therapy	607/14		Schloss; Harold C. et al.
US 7006867 B1	USPAT	20060228		Methods and apparatus for overdrive pacing multiple atrial sites using an implantable cardiac stimulation device	607/14	607/17	Kroll; Mark W.
US 7006347 B1	USPAT	20060228		Low deformation electrolytic capacitor	361/503	361/508; 607/5	Kroll; Mark W. et al.
US 7003348 B1	USPAT	20060221		Monitoring cardiac geometry for diagnostics and therapy	607/17	600/508	Brewer; James E. et al.
US 6997180 B2	USPAT	20060214		Breathing gas therapeutic method and apparatus	128/202.12	128/205.11	Kroll; Mark W.
US 6993379 B1	USPAT	20060131		System and method for emulating a surface EKG using an implantable cardiac stimulation device	600/510	600/509	Kroll; Mark W. et al.
US 6987999 B1	USPAT	20060117		Implantable defibrillator with alternating counter electrode	607/5		Kroll; Mark W.
US 6980850 B1	USPAT	20051227		System and method for emulating a surface EKG using an implantable cardiac stimulation device	600/509		Kroll; Mark W. et al.
US 6964116 B2	USPAT	20051115		Ambulatory hairdryer	34/96	2/174; 34/99	Kroll; Mollie B. et al.

US 6961615 B2	USPAT	20051101		System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors	607/18		Kroll; Mark W. et al.
US 6954669 B1	USPAT	20051011		System and method of generating an optimal three-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/5	607/74	Fishler; Matthew G. et al.
US 6937896 B1	USPAT	20050830		Sympathetic nerve stimulator and/or pacemaker	607/9		Kroll; Mark W.
US 6931278 B1	USPAT	20050816		Implantable cardioverter defibrillator having fast action operation	607/5		Kroll; Mark W. et al.
US 6928321 B1	USPAT	20050809		Hypnosis augmented ICD	607/5		Kroll; Mark W.
US 6904314 B1	USPAT	20050607		Automatic defibrillation threshold tracking	607/7		Brewer; James E. et al.
US 6865420 B1	USPAT	20050308		Cardiac stimulation device for optimizing cardiac output with myocardial ischemia protection	607/25		Kroll; Mark W.
US 6862475 B1	USPAT	20050301		Pediatric rate varying implantable cardiac device	607/9		Kroll; Mark W.
US 6854844 B2	USPAT	20050215		Tan-thru sunglasses	351/44	351/111	Kroll; Mark W. et al.
US 6853859 B1	USPAT	20050208		Electrical cardiac output forcer	607/5	607/17; 607/6	Kroll; Kai et al.
US 6826427 B1	USPAT	20041130		Methods and devices for inhibiting battery voltage delays in an implantable cardiac device	607/29	607/5	Fayram; Timothy A. et al.
US 6820619 B2	USPAT	20041123		Altitude adjustment method and apparatus	128/205.11	128/204.22; 128/205.27; 128/205.28	Kroll; Mark W.
US 6817520 B2	USPAT	20041116		Magnetic card swipe signature security	235/380	235/379; 235/383;	Kroll; Mark W.

				system		235/449; 235/493	
US 6813514 B1	USPAT	20041102		System and method for emulating a surface EKG using an implantable cardiac stimulation device	600/509		Kroll; Mark W. et al.
US 6804557 B1	USPAT	20041012		Battery monitoring system for an implantable medical device	607/29		Kroll; Mark W
US 6780181 B2	USPAT	20040824		Even temperature linear lesion ablation catheter	606/41	607/101; 607/102	Kroll; Mark W. et al.
US 6775571 B1	USPAT	20040810		Dynamic control of overdrive pacing based on degree of randomness within heart rate	607/9		Kroll; Mark W.
US 6772007 B1	USPAT	20040803		System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/7	607/5; 607/63	Kroll; Mark W.
US 6766194 B1	USPAT	20040720		Dynamic control of overdrive pacing based on degree of randomness within heart rate	607/9	607/4	Kroll; Mark W.
US 6763266 B1	USPAT	20040713		System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/7	607/5; 607/63; 607/68; 607/74	Kroll; Mark W.
US 6760625 B1	USPAT	20040706		Battery monitoring system for an implantable medical device	607/29		Kroll; Mark W.
US 6757561 B2	USPAT	20040629		Methods and apparatus for treating fibrillation and creating defibrillation waveforms	607/5	607/7	Rubin; Leo et al.

US 6751503 B1	USPAT	20040615		Methods and systems for treating patients with congestive heart failure (CHF)	607/18		Kroll; Mark W.
US 6748261 B1	USPAT	20040608		Implantable cardiac stimulation device for and method of monitoring progression or regression of heart disease by monitoring interchamber conduction delays	600/510	600/509; 607/9	Kroll; Mark W. et al.
US 6745073 B1	USPAT	20040601		System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/7	607/5	Kroll; Mark W.
US 6744152 B2	USPAT	20040601		Implantable cardioverter defibrillator with switchable power source and patient warning system cardiac device	307/66	320/103; 607/5	Kroll; Mark W.
US 6738663 B2	USPAT	20040518		Implantable device and method for the electrical treatment of cancer	607/2		Schroeppel; Edward A. et al.
US 6714818 B1	USPAT	20040330		System and method of generating an optimal three-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/5	607/72	Fishler; Matthew G. et al.
US 6694188 B1	USPAT	20040217		Dynamic control of overdrive pacing based on degree of randomness within heart rate	607/14		Kroll; Mark W.
US 6687542 B2	USPAT	20040203		XY selectable lead assembly	607/9		Kroll; Mark W.
US 6662047 B2	USPAT	20031209		Pacing mode to reduce effects of orthostatic hypotension and syncope	607/18	607/23	Sorensen; Chris et al.
US 6658292	USPAT	20031202		Detection of patient's	607/19		Kroll; Mark

B2				position and activity status using 3D accelerometer-based position sensor			W. et al.
US 6645153 B2	USPAT	20031111		System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors	600/481	600/300; 600/301; 600/508; 600/513; 600/529	Kroll; Mark W. et al.
US 6628986 B1	USPAT	20030930		System for predicting defibrillation threshold based on patient data	607/8		Mouchawar; Gabriel A. et al.
US 6625493 B2	USPAT	20030923		Orientation of patient's position sensor using external field	607/17		Kroll; Mark W. et al.
US 6609027 B2	USPAT	20030819		His Bundle sensing device and associated method	607/9		Kroll; Mark W. et al.
US 6590534 B1	USPAT	20030708		Electronic car locator	342/442	342/419; 342/457	Kroll; Mark W. et al.
US 6580915 B1	USPAT	20030617		Aircraft internal EMI detection and location	455/456.3	455/279.1; 455/431; 455/67.11; 455/67.13	Kroll; Mark W.
US 6580908 B1	USPAT	20030617		Generic number cellular telephone	455/435.1	455/404.1; 455/409; 455/551	Kroll; Mark W. et al.
US 6578499 B2	USPAT	20030617		Wind and insect resistant picnic system	108/90		Kroll; Mark W. et al.
US 6571122 B2	USPAT	20030527		Implantable medical device responsive to heart rate variability analysis	600/515	607/17	Schroeppel; Edward A. et al.
US 6571121 B2	USPAT	20030527		Implantable medical device responsive to heart rate variability analysis	600/515	607/17	Schroeppel; Edward A. et al.
US 6567697 B1	USPAT	20030520		External defibrillator with electrical CPR assist	607/5		Kroll; Kai et al.
US 6561185 B1	USPAT	20030513		Altitude adjustment method and apparatus	128/202.12	128/205.11	Kroll; Mark W.
US 6560974 B2	USPAT	20030513		Nitrogen-based refrigerator crisper	62/78	62/179	Kroll; Mark W. et al.
US 6560484	USPAT	20030506		Method and apparatus	607/5	607/10;	Kroll; Kai et

B1				for electrically forcing cardiac output in an arrhythmia patient		607/4	al.
US 6549807 B1	USPAT	20030415		Implantable cardioverter defibrillator having a rechargeable, fast-charging battery and method thereof	607/34		Kroll; Mark W.
US 6549806 B1	USPAT	20030415		Implantable dual site cardiac stimulation device having independent automatic capture capability	607/27		Kroll; Mark W.
US 6539254 B1	USPAT	20030325		Implantable ventricular cardioverter/defibrillator employing atrial pacing for preventing atrial fibrillation from ventricular cardioversion and defibrillation shocks	607/4	607/14	Kroll; Mark W.
US 6484056 B2	USPAT	20021119		System and method of generating a high efficiency biphasic defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)	607/5	607/74	Fisher; Matthew G. et al.
US 6456876 B1	USPAT	20020924		Dual-chamber implantable cardiac stimulation system and device with selectable arrhythmia termination electrode configurations and method	607/4	607/63	Kroll; Mark W.
US 6445950 B1	USPAT	20020903		Implantable cardioverter/defibrillator employing shock delivery timing for preventing induced fibrillation	607/4		Kroll; Mark W. et al.
US 6445949 B1	USPAT	20020903		Implantable cardioversion device with a self-adjusting threshold for therapy	607/4	600/518; 607/14	Kroll; Mark W.

				selection			
US 6442426 B1	USPAT	20020827		Implantable ventricular cadioverter-defibrillator employing atrial pacing for preventing a trial fibrillation form ventricular cardioversion and defibrillation shocks	607/4	607/14	Kroll; Mark W.
US 6438426 B2	USPAT	20020820		Temporary atrial cardioversion catheter	607/125	607/122; 607/5	Hofstad; Michael L. et al.
US 6411844 B1	USPAT	20020625		Fast recovery sensor amplifier circuit for implantable medical device	607/5	607/63	Kroll; Mark W et al.
US 6408206 B1	USPAT	20020618		Disposable external defibrillator	607/5		Kroll; Mark W. et al.
US 6405922 B1	USPAT	20020618		Keyboard signature security system	235/379	235/383	Kroll; Mark W.
US 6395038 B1	USPAT	20020528		Apparatus for imparting physician-determined shapes to implantable tubular devices	623/23.64	623/1.11	Schroeppel; Edward A.
US 6370234 B1	USPAT	20020409		Public service answering point with automatic triage capability	379/45	379/265.01; 379/47; 379/49	Kroll; Mark W.
US 6366808 B1	USPAT	20020402		Implantable device and method for the electrical treatment of cancer	607/2	607/72	Schroeppel; Edward A. et al.
US 6350168 B1	USPAT	20020226		Light selective sport garments	441/111	2/108; 2/115; 2/67; 2/69; 441/106; 441/112	Kroll; Mark W. et al.
US 6345200 B1	USPAT	20020205		Implant guiding programmer for implantable cardioverter defibrillator	607/8	128/923	Mouchawar; Gabriel A. et al.
US 6327498 B1	USPAT	20011204		Implantable stimulation lead for use with an ICD device having automatic capture pacing features	607/4	600/509; 607/116; 607/122; 607/5	Kroll; Mark W.
US 6314319 B1	USPAT	20011106		Method and apparatus for temporarily	607/5		Kroll; Kai et al.

				electrically forcing cardiac output in a tachyarrhythmia patient			
US 6298266 B1	USPAT	20011002		Methods and apparatus for treating fibrillation and creating defibrillation waveforms	607/5		Rubin; Leo et al.
US 6292694 B1	USPAT	20010918		Implantable medical device having atrial tachyarrhythmia prevention therapy	607/9		Schloss; Harold C. et al.
US 6287306 B1	USPAT	20010911		Even temperature linear lesion ablation catheter	606/41	606/42; 607/101; 607/99	Kroll; Mark W. et al.
US 6282444 B1	USPAT	20010828		Implantable device with electrical infection control	607/3	607/120	Kroll; Mark W. et al.
US 6233483 B1	USPAT	20010515		System and method for generating a high efficiency biphasic defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD).	607/5	607/7; 607/74	Causey, III; James D. et al.
US 6219582 B1	USPAT	20010417		Temporary atrial cardioversion catheter	607/122		Hofstad; Michael L. et al.
US 6208899 B1	USPAT	20010327		Implantable cardioversion device with automatic filter control	607/9		Kroll; Mark W.
US 6198249 B1	USPAT	20010306		Thermal booster battery system	320/104	320/103	Kroll; Mark W. et al.
US 6185457 B1	USPAT	20010206		Method and apparatus for electrically forcing cardiac output in an arrhythmia patient	607/5		Kroll; Kai et al.
US 6169923 B1	USPAT	20010102		Implantable cardioverter-defibrillator with automatic arrhythmia detection criteria adjustment	607/5	600/515	Kroll; Mark W.
US 6167306	USPAT	20001226		Method and apparatus	607/5		Kroll; Kai et

A				for electrically forcing cardiac output in an arrhythmia patient				al.
US 6144878 A	USPAT	20001107		Implantable medical device responsive to heart rate variability analysis	600/515			Schroeppel; Edward A. et al.
US 6132426 A	USPAT	20001017		Temperature and current limited ablation catheter	606/41	606/29; 606/34; 607/101		Kroll; Mark W.
US 6115597 A	USPAT	20000905		Disposal emergency cellular phone	455/404.1			Kroll; Braden W. et al.
US 6112118 A	USPAT	20000829		Implantable cardioverter defibrillator with slew rate limiting	607/5			Kroll; Mark W. et al.
US 6101414 A	USPAT	20000808		Method and apparatus for antitachycardia pacing with an optimal coupling interval	607/14	607/5		Kroll; Mark W.
US 6093982 A	USPAT	20000725		High voltage output array switching system	307/115	307/113; 307/125; 607/5		Kroll; Mark W.
US 6062474 A	USPAT	20000516		ATM signature security system	235/382	235/379; 902/3; 902/5		Kroll; Mark William
US 6041255 A	USPAT	20000321		Disposable external defibrillator	607/5			Kroll; Mark W.
US 6035233 A	USPAT	20000307		Implantable medical device responsive to heart rate variability analysis	600/515			Schroeppel; Edward A. et al.
US 6024764 A	USPAT	20000215		Apparatus for imparting physician-determined shapes to implantable tubular devices	606/198	264/296; 604/530; 607/122; 623/23.64; 623/901		Schroeppel; Edward A.
US 6007395 A	USPAT	19991228		Sun tanning life vest	441/106	441/112		Kroll; Mark W.
US 6002969 A	USPAT	19991214		Cardiac lead with shape-memory structure	607/122			Machek; James E. et al.
US 5991665 A	USPAT	19991123		Self-cooling transcutaneous energy transfer system for battery powered	607/61	320/108; 607/33		Wang; Xintao et al.

				implantable device			
US 5988161 A	USPAT	19991123		Altitude adjustment method and apparatus	128/202.12	128/203.25; 128/205.11	Kroll; Mark W.
US 5978703 A	USPAT	19991102		Method and apparatus for temporarily electrically forcing cardiac output in a tachyarrhythmia patient	607/5		Kroll; Kai et al.
US 5957966 A	USPAT	19990928		Implantable cardiac lead with multiple shape memory polymer structures	607/122	607/119; 607/128	Schroeppel; Edward A. et al.
US 5957956 A	USPAT	19990928		Implantable cardioverter defibrillator having a smaller mass	607/5		Kroll; Mark W. et al.
US 5944746 A	USPAT	19990831		ICD with continuous regular testing of defibrillation lead status	607/27	607/8	Kroll; Mark W.
US 5925068 A	USPAT	19990720		Method for determining an ICD replacment time	607/29		Kroll; Mark W.
US 5925066 A	USPAT	19990720		Atrial arrythmia sensor with drug and electrical therapy control apparatus	607/3	607/14	Kroll; Kai et al.
US 5913877 A	USPAT	19990622		Implantable defibrillator system for generating a biphasic waveform with enhanced phase transition	607/5	607/7	Kroll; Mark W. et al.
US 5908447 A	USPAT	19990601		Breakaway structure for body implantable medical device	607/126		Schroeppel; Edward A. et al.
US 5906633 A	USPAT	19990525	18	System for delivering rounded low pain therapeutic electrical waveforms to the heart	607/5	128/908; 607/63	Mouchawar; Gabriel et al.
US 5904705 A	USPAT	19990518		Automatic battery- maintaining implantable cardioverter defibrillator and method for use	607/5	607/29	Kroll; Mark W. et al.
US 5899923 A	USPAT	19990504		Automatic capacitor maintenance system for an implantable cardioverter defibrillator	607/5		Kroll; Mark W. et al.
US 5876429 A	USPAT	19990302		Methods and devices for in vivo repair of cardiac	607/115	128/898	Schroeppel; Edward A.

				stimulator leads			
US 5871532 A	USPAT	19990216		Epicardial lead for minimally invasive implantation	607/128		Schroeppel; Edward A.
US 5871510 A	USPAT	19990216		Method and apparatus for temporarily electrically forcing cardiac output as a backup for tachycardia patients	607/14		Kroll; Kai et al.
US 5871505 A	USPAT	19990216		Apparatus for generating biphasic waveforms in an implantable defibrillator	607/5		Adams; Theodore P. et al.
US 5861006 A	USPAT	19990119		System for selectively reforming an ICD	607/5		Kroll; Mark W.
US 5836973 A	USPAT	19981117		Staged energy concentration for an implantable biomedical device	607/5		Kroll; Mark W.
US 5833712 A	USPAT	19981110		Implantable defibrillator system for generating a biphasic waveform	607/7	607/5; 607/74	Kroll; Mark W. et al.
US 5830236 A	USPAT	19981103		System for delivering low pain therapeutic electrical waveforms to the heart	607/5		Mouchawar; Gabriel et al.
US 5827326 A	USPAT	19981027		Implantable cardioverter defibrillator having a smaller energy storage capacity	607/5		Kroll; Mark W. et al.
US 5814075 A	USPAT	19980929		Method and apparatus for optimizing source allocation within an implantable cardioverter-defibrillator	607/5	607/34	Kroll; Mark W.
US 5792203 A	USPAT	19980811		Universal programmable cardiac stimulation device	607/30		Schroeppel; Edward A.
US 5782884 A	USPAT	19980721		Rate responsive cardiac pacemaker with peak impedance detection for rate control	607/17		Stotts; Lawrence J. et al.
US 5782883 A	USPAT	19980721		Suboptimal output device to manage	607/14		Kroll; Kai et al.

				cardiac tachyarrhythmias				
US 5776169 A	USPAT	19980707		Implantable cardiac stimulator for minimally invasive implantation	607/36			Schroeppel; Edward A.
US 5772690 A	USPAT	19980630		System having a surrogate defibrillation electrode for testing implantable cardioverter- defibrillators during implant	607/7			Kroll; Mark W.
US 5772689 A	USPAT	19980630		Implantable cardioverter- defibrillator with apical shock delivery	607/4			Kroll; Mark W.
US 5769881 A	USPAT	19980623		Endocardial lead with multiple branches	607/123	600/375		Schroeppel; Edward A. et al.
US 5761019 A	USPAT	19980602		Medical current limiter	361/58	128/908; 361/93.9		Kroll; Mark W.
US 5759202 A	USPAT	19980602		Endocardial lead with lateral active fixation	607/126	600/375		Schroeppel; Edward A.
US 5755764 A	USPAT	19980526		Implantable cardiac stimulation catheter	607/122	607/127		Schroeppel; Edward A.
US 5749910 A	USPAT	19980512		Shield for implantable cardioverter defibrillator	607/36			Brumwell; Dennis A. et al.
US 5749909 A	USPAT	19980512		Transcutaneous energy coupling using piezoelectric device	607/33	607/61		Schroeppel; Edward A. et al.
US 5749900 A	USPAT	19980512		Implantable medical device responsive to heart rate variability analysis	607/4			Schroeppel; Edward A. et al.
US 5741307 A	USPAT	19980421		Method for determining an ICD replacement time	607/5	607/29		Kroll; Mark W.
US 5741303 A	USPAT	19980421		Electrode back-charging pre-treatment system for an implantable cardioverter defibrillator	607/5			Kroll; Mark W. et al.
US 5738105 A	USPAT	19980414		Method and apparatus for sensing R-waves using both near field and far field sensing	600/510	600/374; 600/515; 607/5		Kroll; Mark W.

				simultaneously			
US 5735878 A	USPAT	19980407		Implantable defibrillator having multiple pathways	607/5		Kroll; Mark W. et al.
US 5735876 A	USPAT	19980407		Electrical cardiac output forcing method and apparatus for an atrial defibrillator	607/5		Kroll; Kai et al.
US 5733309 A	USPAT	19980331		Method and apparatus for capacitive switching output for implantable cardioverter defibrillator	607/5		Kroll; Mark W. et al.
US 5718718 A	USPAT	19980217		Method and apparatus for polarity reversal of consecutive defibrillation countershocks having back biasing precharge pulses	607/5		Kroll; Mark W. et al.
US 5713944 A	USPAT	19980203		Cardioversion-defibrillation catheter lead having selectively exposable outer conductors	607/122		Kroll; Mark W.
US 5709709 A	USPAT	19980120		ICD with rate-responsive pacing	607/4	607/122; 607/6; 607/8	Kroll; Mark W.
US 5697953 A	USPAT	19971216		Implantable cardioverter defibrillator having a smaller displacement volume	607/5		Kroll; Mark W. et al.
US 5690685 A	USPAT	19971125		Automatic battery-maintaining implantable cardioverter defibrillator and method for use	607/5	607/29; 607/34	Kroll; Mark W. et al.
US 5674248 A	USPAT	19971007		Staged energy concentration for an implantable biomedical device	607/5		Kroll; Mark W. et al.
US 5662696 A	USPAT	19970902		One piece disposable threshold test can electrode for use with an implantable cardioverter defibrillator system	607/116	607/36; 607/37; 607/8	Kroll; Mark W. et al.
US 5662534 A	USPAT	19970902		Golf ball finding system	473/353	473/372	Kroll; Braden W.

							et al.
US 5658319 A	USPAT	19970819		Implantable cardioverter defibrillator having a high voltage capacitor	607/7	607/5	Kroll; Mark W.
US 5649974 A	USPAT	19970722		Low profile defibrillation catheter	607/122	29/825	Nelson; Randall S. et al.
US 5645573 A	USPAT	19970708		Optimal pulse defibrillator	607/7		Kroll; Mark W. et al.
US 5645572 A	USPAT	19970708		Implantable cardioverter defibrillator with slew rate limiting	607/5	128/901; 607/36	Kroll; Mark W. et al.
US 5643323 A	USPAT	19970701		System and method inducing fibrillation using an implantable defibrillator	607/2		Kroll; Mark W. et al.
US 5620469 A	USPAT	19970415		Stepped cardioversion system for an implantable cardioverter defibrillator	607/7	607/5	Kroll; Mark W.
US 5620464 A	USPAT	19970415		System and method for delivering multiple closely spaced defibrillation pulses	607/5		Kroll; Mark W. et al.
US 5607460 A	USPAT	19970304		Physician interface expert system for programming implantable arrhythmia treatment devices	607/30	607/59	Kroll; Mark W. et al.
US 5591210 A	USPAT	19970107		Implantable defibrillation system and method for producing only short pulse waveforms	607/5		Kroll; Mark W. et al.
US 5591209 A	USPAT	19970107		Implantable defibrillator system for generating an active biphasic waveform	607/5	607/74	Kroll; Mark W.
US 5571144 A	USPAT	19961105		Method of verifying capture of the atrium by a cardiac stimulator	607/28	607/26	Schroeppel; Edward A.
US 5549933 A	USPAT	19960827		Process for painting snow	434/84	106/160.1; 427/136; 427/137; 427/212; 427/256;	Adams; Theodore P. et al.

						427/427.3; 427/427.4	
US 5549643 A	USPAT	19960827		Optimal pulse defibrillator	607/7		Kroll; Mark W. et al.
US 5540721 A	USPAT	19960730		Process and apparatus for defibrillation system with a small capacitor	607/5	607/74	Kroll; Mark W.
US 5534015 A	USPAT	19960709		Method and apparatus for generating biphasic waveforms in an implantable defibrillator	607/7	607/5; 607/74	Kroll; Mark W. et al.
US 5531782 A	USPAT	19960702		Implantable medical electrode with reduced number of conductors	607/122		Kroll; Mark W. et al.
US 5531770 A	USPAT	19960702		Device and method for determining defibrillation thresholds	607/8		Kroll; Mark W. et al.
US 5531766 A	USPAT	19960702		Implantable cardioverter defibrillator pulse generator kite-tail electrode system	607/5	607/36; 607/9	Kroll; Mark W. et al.
US 5531764 A	USPAT	19960702		Implantable defibrillator system and method having successive changeable defibrillation waveforms	607/5	607/15	Adams; Theodore P. et al.
US 5527346 A	USPAT	19960618		Implantable cardioverter defibrillator employing polymer thin film capacitors	607/5		Kroll; Mark W.
US 5522853 A	USPAT	19960604		Method and apparatus for progressive recruitment of cardiac fibrillation	607/5		Kroll; Mark W.
US 5514160 A	USPAT	19960507		Implantable defibrillator for producing a rectangular-shaped defibrillation waveform	607/5		Kroll; Mark W. et al.
US 5507781 A	USPAT	19960416		Implantable defibrillator system with capacitor switching circuitry	607/7	607/5; 607/74	Kroll; Mark W. et al.
US 5458620 A	USPAT	19951017		Cardiac arrhythmia detection using interdependent multiple parameter settings	607/5	128/925; 600/518	Adams; Theodore P. et al.

US 5454839 A	USPAT	19951003		Low profile defibrillation catheter	607/123		Anderson; Kenneth M. et al.
US 5449377 A	USPAT	19950912		Overcharged final countershock for an implantable cardioverter defibrillator and method	607/7		Adams; Theodore P. et al.
US 5447521 A	USPAT	19950905		Safety system for an implantable defibrillator	607/5	600/547; 607/37; 607/6	Anderson; Kenneth M. et al.
US 5443485 A	USPAT	19950822		Apparatus and method for capture detection in a cardiac stimulator	607/28		Housworth; Craig M. et al.
US 5441518 A	USPAT	19950815		Implantable cardioverter defibrillator system having independently controllable electrode discharge pathway	607/5		Adams; Theodore P. et al.
US 5439482 A	USPAT	19950808		Prophylactic implantable cardioverter- defibrillator	607/5	607/36	Adams; Theodore P. et al.
US 5431693 A	USPAT	19950711		Method of verifying capture of the heart by a pacemaker	607/28	607/26	Schroeppel; Edward A.
US 5431687 A	USPAT	19950711		Impedance timed defibrillation system	607/8		Kroll; Mark W.
US 5431686 A	USPAT	19950711		Method for optimal pulse defibrillation using an implantable defibrillator	607/7	607/6	Kroll; Mark W. et al.
US 5413592 A	USPAT	19950509		Cardiac pacemaker with automatic parameter adjustment	607/18		Schroeppel; Edward A.
US 5411526 A	USPAT	19950502		Improved implantable defibrillator system for producing true-voltage- pulse waveforms	607/5		Kroll; Mark W. et al.
US 5407444 A	USPAT	19950418		Staged energy concentration for a defibrillator	607/5	320/103; 320/166	Kroll; Mark W.
US 5405363 A	USPAT	19950411		Implantable cardioverter defibrillator having a smaller displacement volume	607/5	607/36	Kroll; Mark W. et al.
US 5391186	USPAT	19950221		Method and apparatus	607/5		Kroll; Mark

A				for utilizing short tau capacitors in an implantable cardioverter defibrillator			W. et al.
US 5391185 A	USPAT	19950221		Atrial cardioverter with ventricular protection	607/4		Kroll; Mark W.
US 5383907 A	USPAT	19950124		System and method for delivering multiple closely spaced defibrillation pulses	607/5		Kroll; Mark W.
US 5376103 A	USPAT	19941227		Electrode system for implantable defibrillator	607/5		Anderson; Kenneth M. et al.
US 5366487 A	USPAT	19941122		Fibrillation and tachycardia detection	607/5	600/518	Adams; Theodore P. et al.
US 5366485 A	USPAT	19941122		Apparatus for defibrillation pretreatment of a heart	607/5		Kroll; Mark W. et al.
US 5366484 A	USPAT	19941122		Short-pulse cardioversion system for an implantable cardioverter defibrillator	607/5		Kroll; Mark W.
US 5351687 A	USPAT	19941004		Method and apparatus for non-invasively determining a patient's susceptibility to ventricular arrhythmias	600/409		Kroll; Mark W. et al.
US 5342399 A	USPAT	19940830		Implantable defibrillator system having a small capacitance valve	607/5		Kroll; Mark W.
US 5336245 A	USPAT	19940809		Storage interrogation apparatus for cardiac data	607/32	128/904	Adams Theodore P. et al.
US 5334219 A	USPAT	19940802		Method and apparatus for separate-capacitor cardioversion	607/5		Kroll; Mark W.
US 5330509 A	USPAT	19940719		Method and apparatus for far-field tachycardia termination	607/14		Kroll; Mark W. et al.
US 5325870 A	USPAT	19940705		Multiplexed defibrillation electrode apparatus	607/122		Kroll; Mark W. et al.
US 5314448 A	USPAT	19940524		Process for defibrillation pretreatment of a heart	607/5		Kroll; Mark W. et al.

US 5312443 A	USPAT	19940517		Arrhythmia-detection criteria process for a cardioverter/defibrillator	607/5	128/925; 600/518	Adams; Theodore P. et al.
US 5306291 A	USPAT	19940426		Optimal energy steering for an implantable defibrillator	607/5		Kroll; Mark W. et al.
US 5300110 A	USPAT	19940405		Dirk-based epicardial defibrillation electrode	607/130		Latterell; Scott T. et al.
US 5265623 A	USPAT	19931130		Optimized field defibrillation catheter	607/122		Kroll; Mark W. et al.
US 5258906 A	USPAT	19931102		System for remotely authorizing operation of a device and for automatically generating an invoice based on device usage	705/2	379/106.02; 379/93.12; 705/34	Kroll; Mark W. et al.
US 5257634 A	USPAT	19931102		Low impedance defibrillation catheter electrode	607/122	607/128	Kroll; Mark W.
US 5241960 A	USPAT	19930907		Defibrillator pulse generator	607/5		Anderson; Kenneth M. et al.
US 5228437 A	USPAT	19930720		Cardiac pacemaker and method for detecting cardiac signals	607/18	607/19	Schroeppel; Edward A.
US 5199429 A	USPAT	19930406		Implantable defibrillator system employing capacitor switching networks	607/5		Kroll; Mark W. et al.
US 5190052 A	USPAT	19930302		Pacer lead with bipolar electrode	607/123	600/375	Schroeppel; Edward A.
US 5188116 A	USPAT	19930223		Electrocardiographic method and device	600/509	600/516; 600/517	Pommrehn; Mark R. et al.
US 5174303 A	USPAT	19921229		Pacer lead with replaceable sensor	607/122	600/364; 600/374	Schroeppel; Edward A.
US 5117834 A	USPAT	19920602		Method and apparatus for non-invasively determining a patients susceptibility to ventricular arrhythmias	600/518		Kroll; Mark W. et al.
US 4956877 A	USPAT	19900911		Optical fiber reflective signal modulation system	398/170	398/141; 398/168; 398/169	Kroll; Mark W. et al.
US 4947859	USPAT	19900814		Bio-acoustic signal	600/528	381/355;	Brewer;

A				sensing device		381/364; 600/586	James E. et al.
US 4895152 A	USPAT	19900123		System for cardiac pacing	607/13	607/28	Callaghan; Frank J. et al.
US 4890630 A	USPAT	19900102		Bio-electric noise cancellation system	600/508	128/902; 128/905	Kroll; Mark W. et al.
US 4879760 A	USPAT	19891107		Optical fiber transmissive signal modulation system	398/168	340/870.29	Kroll; Mark W. et al.
US 4858610 A	USPAT	19890822		Detection of cardiac evoked potentials	607/13	607/28; 607/30	Callaghan; Frank J. et al.
US 4848352 A	USPAT	19890718		Method for cardiac pacing and sensing using combination of electrodes	600/374	607/122; 607/22	Pohndorf; Peter J. et al.
US 4832608 A	USPAT	19890523		Electrode belt adapter	439/67	439/465; 600/390; 600/394	Kroll; Mark W.
US 4827933 A	USPAT	19890509		Apparatus and method for adjusting heart/pacer rate relative to cardiac pO ₂ obtain a required cardiac output	607/22		Koning; Gerrit et al.
US 4811156 A	USPAT	19890307		Medical current limiter	361/58	361/101; 600/509	Kroll; Mark W.
US 4802481 A	USPAT	19890207		Apparatus for controlling pacing of a heart in response to changes in stroke volume	607/24		Schroeppel; Edward A.
US 4775018 A	USPAT	19881004		Load cell assembly	177/134	177/211	Kroll; William P. et al.
US 4770177 A	USPAT	19880913		Apparatus and method for adjusting heart/pacer relative to changes in venous diameter during exercise to obtain a required cardiac output.	607/17	600/483; 607/23	Schroeppel; Edward A.
US 4769760 A	USPAT	19880906		Terrain biased dynamic multiple threshold synchronization method and apparatus	702/79	324/76.39; 324/76.44; 327/41; 340/825.2; 375/317;	Kroll; Mark W. et al.

						375/371; 600/525	
US 4766902 A	USPAT	19880830		Automatic sensitivity control for cardiac pacer	607/9		Schroeppel; Edward A.
US 4763660 A	USPAT	19880816		Flexible and disposable electrode belt device	600/391	439/77; 600/397; 607/149; 607/152	Kroll; Mark W. et al.
US 4744369 A	USPAT	19880517		Medical current limiting circuit	600/509	128/908; 323/312; 323/908; 327/313; 361/18; 361/58	Kroll; Mark W.
US 4730619 A	USPAT	19880315		Apparatus and method for adjusting heart/pacer rate relative to ejection time to obtain a required cardiac output	607/23	607/17	Koning; Gerrit et al.
US 4716887 A	USPAT	19880105		Apparatus and method for adjusting heart/pacer rate relative to cardiac pCO.sub.2 to obtain a required cardiac output	607/24	600/353; 607/16; 607/22	Koning; Gerrit et al.
US 4714121 A	USPAT	19871222		Wheel scale assembly	177/134	177/164; 177/255	Kroll; William P. et al.
US 4708143 A	USPAT	19871124		Method for controlling pacing of a heart in response to changes in stroke volume	607/23	607/17	Schroeppel; Edward A.
US 4690143 A	USPAT	19870901		Pacing lead with piezoelectric power generating means	607/5		Schroeppel; Edward A.
US 4672977 A	USPAT	19870616		Lung sound cancellation method and apparatus	600/528	600/390; 600/586	Kroll; Mark W.
US 4672976 A	USPAT	19870616		Heart sound sensor	600/528	381/364; 381/385; 600/586	Kroll; Mark W.
US 4651740 A	USPAT	19870324		Implant and control apparatus and method employing at least one tuning fork	607/31	181/139; 367/191; 607/30	Schroeppel; Edward A.
US 4628934 A	USPAT	19861216		Method and means of electrode selection for pacemaker with	607/27		Pohndorf; Peter J. et al.

				multielectrode leads			
US 4600017 A	USPAT	19860715		Pacing lead with sensor	607/122	600/488	Schroeppel; Edward A.
US 4590941 A	USPAT	19860527		Cardiac pacer with improved battery system, output circuitry, and emergency operation	607/34	607/11; 607/29; 607/30	Saulson; Stanley H. et al.
US 4566456 A	USPAT	19860128	17	Apparatus and method for adjusting heart/pacer rate relative to right ventricular systolic pressure to obtain a required cardiac output	607/23	600/488	Koning; Gerrit et al.
US 4545380 A	USPAT	19851008		Method and apparatus for setting and changing parameters or functions of an implanted device	607/30		Schroeppel; Edward A.
US 4543955 A	USPAT	19851001		System for controlling body implantable action device	600/348	604/66; 607/30	Schroeppel; Edward A.